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PTO/SB/05 (4/98)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. PD-02W116 First Inventor or Application Identifier Kenneth D. Price et al. Title | STIRLING/PULSE TUBE HYBRID CRYOCOOLER...

Only for new	nonprovisional applications under 37 C.F.R. § 1.53(b) Express	s Mail Label No. EU4309	94519US		
	APPLICATION ELEMENTS papter 600 concerning utility patent application contents	nts.	ADDRESS TO: во	x Patent A	mmissioner for Patents application DC 20231	
1.	Fee Transmittal Form (e.g., PTO/SB/17) ubmit an original and a duplicate for fee processing) pecification [Total Pages] Descriptive title of the Invention Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure Pawing(s) (35 U.S.C. 113) [Total Sheets] Declaration [Total Pages] Newly Executed Combined Declaration and Power of Attorney Copy from a prior application (37 C.F.R.)]1	5. Microfiche Com 6. Nucleotide and/or Am (if applicable, all nece a. Compute b. Paper Co c. Statemen ACCOMPANYI 7. X Assignment Pap 37 C.F.R.§3.73((when there is a 9. English Translat 10. X Information Disc Statement (IDS) 11. Preliminary Ame 12. X Return Receipt (Should be spec	puter Pro- puter Pro- puter Pro- puter Readate popy (ideni- puter Readate popy (ideni- puter Scove put	gram (Appendix) Sequence Submission Sequence S	
NOTE FOR	i. DELETION OF INVENTOR(S) Signed statement attached deletion of the prior approximate 1 to 1 to 2 to 1 to 2 to 1 to 2 to 2 to	eting plication, 1.33(b). LLENTITY	13. Statement(s) (PTO/SB/09-12) 14. Certified Copy o (if foreign priorit) 15. Other:	Stat	` ,	
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: Continuation Divisional Continuation-in-part (CIP) of prior application No: Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 17. Correspondence address below (Insert Customer No. or Attach bar code label here)						
Name	Patent Docket Administration RAYTHEON COMPANY		<u> </u>			
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City	El Segundo s	state (California zip	Code	90245	
Country	United States of America Telepho	one (310) 647-3214	Fax	(310) 647-2616	
	Print/Type) Colin M. Raufer		Registration No. (Attorney	T	40,781	
Signatur	e We Mila	<u>~</u>		Date	July 28, 2003	

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

Colin M. Raufer

Name (Print/Type)

TOTAL AMOUNT OF PAYMENT (\$) 790.00

Complete if Known						
Application Number						
Filing Date						
First Named Inventor						
Examiner Name	Kenneth D. Price et al.					
Art Unit						
Attorney Docket No.	PD-02W116					

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None 3	3. ADDITIONAL FEES					
Deposit Account:	Order Large Entity Small Entity					
Denosit		Fee Fee Code (\$)	Fee Description	Can Dalai		
Account 150-0616	1051 130		Surcharge - late filing fee or oath	Fee Paid		
Deposit DAYTHEON COMPANY	1052 50	2052 25	Surcharge - late provisional filing fee or			
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The Commissioner is authorized to: (check all that apply)	1053 130 1812 2,520	-	Non-English specification For filling a request for ex parte reexamination			
Credit any overpayments	1804 920*	,	Requesting publication of SIR prior to			
Charge any additional fee(s) during the pendency of this application	1004 020	1004 320	Examiner action			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action			
	1251 110	2251 55	Extension for reply within first month			
	1252 410	2252 205	Extension for reply within second month			
Large Entity Small Entity	1253 930	2253 465	Extension for reply within third month			
Fee Fee Fee Fee Description Fee Paid 1 Code (\$) Code (\$)	1254 1,450	2254 725	Extension for reply within fourth month.			
	1255 1,970	2255 985	Extension for reply within fifth month	<u> </u>		
	1401 320	2401 160	Notice of Appeal			
1003 520 2003 260 Plant filling fee	1402 320	2402 160	Filing a brief in support of an appeal			
1004 750 2004 375 Reissue filing fee 1	1403 280	2403 140	Request for oral hearing			
1005 160 2005 80 Provisional filing fee 1	1451 1,510	1451 1,510	Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 750.00	1452 110	2452 55	Petition to revive - unavoidable			
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ree from	1501 1,300		Utility issue fee (or reissue)			
Total Claims 16 part	1502 470		Design issue fee			
Independent 03 arr 0	1503 630		Planti ssue fee			
Multiple Dependent	1460 130		Petitions to the Commissioner			
Large Entity & Constl Entity	1807 50		Processing fee under 37 CFR 1.17(q)			
Fee Fee Fee Fee Description	1806 180		Submission of Information Disclosure Stmt			
	8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40.00		
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))			
	1810 750	2810 375	For each additional invention to be			
1204 84 2204 42 ** Reissue independent claims over original patent	1801 750	2801 375	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900	1802 900	Request for expedited examination of a design application			
<u> </u>	Other fee (spe	ecify) _				
**or number previously paid, if greater; For Reissues, see above **or number previously paid, if greater; For Reissues, see above \$\text{Subtotal (3)}\$ (\$\$) 40.00						
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